

EFW

Applicant No. : 10/814,441  
Applicant : Erdogmus, *et al.*  
Filed : March 31, 2004  
TC/A.U. : 3629  
Examiner : Unassigned

Confirmation No. 5466

Docket No. : 5853-406-1

---

**TRANSMITTAL LETTER**

---

**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed for filing please find:

1. Supplemental Information Disclosure Statement, Form PTO/SB/08A and B, with References;
2. Please charge any deficiencies or credit any overpayment to Deposit Account No. 50-0951; and
3. Other: (1) Postcard.

This Transmittal Letter is submitted in duplicate.

Respectfully submitted,

Date: 11/03/04

Gregory A. Nelson, Reg. No. 30,577  
Richard A. Hinson, Reg. No. 47,652  
AKERMAN SENTERFITT  
Customer Number 30448  
Post Office Box 3188  
West Palm Beach, FL 33402-3188  
Telephone: (561) 653-5000

{WP204627;1}

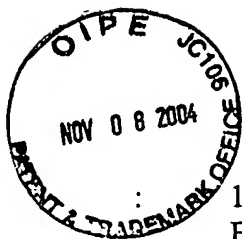
---

**CERTIFICATE UNDER 37 CFR 1.8(a)**

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on:

11/03/04  
Date

  
Richard A. Hinson, Registration No. 47,652



Appln. No. : 10/814,441  
Applicant : Erdogmus, *et al.*  
Filed : March 31, 2004  
TC/A.U. : 3629  
Examiner : Unassigned

Confirmation No. 5466

Docket No. : 5853-406-1

---

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

---

**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to the Duty to Disclose under 37 C.F.R. § 1.56, Applicant hereby discloses information that may be relevant to the Examiner's consideration of the above-identified application and the patentability of its claims.

In accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98, Form PTO/SB/08A and B, with references cited therein, are submitted for consideration by the Examiner. The references were cited in the International Search Report conducted on the corresponding PCT patent application to the present application.

The submission of the listed documents is not intended as an admission that such documents constitute prior art against the claims of the present application. Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove the listed documents as competent references against the claims of the present application.

{WP204627;1}

---

**CERTIFICATE UNDER 37 CFR 1.8(a)**

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on:

11/03/04  
Date

Richard A. Hinson  
Richard A. Hinson, Registration No. 47,652

Applicants respectfully request that the listed documents be considered by the Examiner and be made of record in the present application and that an initialed copy of Forms PTO/SB/08A and B be returned in accordance with MPEP §609.

Certification

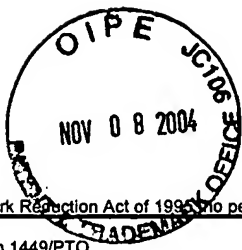
This Statement is being filed prior to the issuance of the first Office Action for the present application, and this paper is thus submitted in accordance with 37 C.F.R. § 1.97(b). In addition, it is certified that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. In view of the above certification, a fee is not required for consideration of this document. Nevertheless, should a fee be deemed to be due by the Commissioner, such fee should be charged to Deposit Account No. 50-0951. Applicant submits that the present invention is patentable over these references.

Respectfully submitted,

Date: 11/03/04



Gregory A. Nelson, Reg. No. 30,577  
Richard A. Hinson, Reg. No. 47,652  
AKERMAN SENTERFITT  
Customer No. 30448  
Post Office Box 3188  
West Palm Beach, FL 33402-3188  
Telephone: (561) 653-5000



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2**Complete if Known**

Application Number	10/814,441
Filing Date	March 31, 2004
First Named Inventor	ERDOGMUS, et al.
Art Unit	3629
Examiner Name	Unassigned
Attorney Docket Number	5853-406-1

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 5,148,488	09-15-1992	Chen, et al.	
		US- 5,416,845	05-16-1995	Shen	
		US- 5,623,402	04-22-1997	Johnson	
		US- 5,742,694	04-21-1998	Eatwell	
		US- 6,208,739	03-27-2001	Venugopal, et al.	
		US- 6,351,740	02-26-2002	Rabinowitz	
		US- 6,463,411	10-08-2002	Li, et al.	
		US- 2003/0033058	02-13-2003	Lund	
		US- 6,529,868	03-04-2003	Chandran, et al.	
		US- 6,674,865	01-06-2004	Venkatesh, et al.	
		US- 6,697,767	02-24-2004	Wang, et al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/814,441
		Filing Date	March 31, 2004
		First Named Inventor	ERDOGMUS, et al.
		Art Unit	3629
		Examiner Name	Unassigned
Sheet 2	of 2	Attorney Docket Number	5853-406-1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		RAO, Y., et al., "Stochastic Error Whitening Algorithm for Linear Filter Estimation with Noisy Data", Neural Networks, Vol. 16, pp. 873-880, (2003).	✓
		RAO, Y., et al., "Error Whitening Criterion for Linear Filter Estimation", Proc. of IJCNN '03, Vol. 2, pp. 1447-1452, Portland, OR, (Jul. 2003).	✓
		RAO, Y., et al., "Error Whitening Criterion for Adaptive Filtering: Theory & Algorithms", Proc. of NNSP '03, pp. 309-318, Toulouse, France, (Sep. 2003).	✓

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.